TECHNICAL DATA SHEET

ALab™ OS-T150-E LED Digital Economy Overhead Stirrer

LED digital economy overhead stirrer · 60–500 / 200–2000 rpm · 150 N·cm · 20 L



ALab™ OS-T150-E LED Digital Economy Overhead Stirrer

The ALab™ OS-T150-E LED Digital Economy Overhead Stirrer; image shown for reference.

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SECTION I

Product Overview

The ALab™ OS-T150-E LED Digital Economy Overhead Stirrer has two speed ranges, 60–500 rpm (low) and 200–2000 rpm (high), a max. torque of 150 N·cm and a max. stirring quantity of 20 L (water). The LED display shows the real-time rotational speed.

The stirring paddle has a through-top design for easy container change. The motor has a stepless speed regulation structure and holds a constant speed, for viscosities up to 10000 mPa·s. The chuck clamps shafts of Ø0.5–10 mm.

SECTION II

Core Advantages

- **Speed** — two ranges, 60–500 / 200–2000 rpm
- **Torque** — 150 N·cm, constant speed
- **Paddle** — through-top design
- **Display** — LED real-time speed
- **Regulation** — stepless
- **Capacity** — 20 L, 10000 mPa·s

SECTION III

Specifications

Technical data — OS-T150-E

Specifications	
Brand	ALab™ by ACS Material
Model	OS-T150-E
ACS Cat. No.	Parent ALOSTE0F; ALOSTE00
Product type	LED digital overhead stirrer
Max. stirring quantity (H_2O)	20 L
Speed range	Low: 60–500 rpm; high: 200–2000 rpm
Speed display accuracy	±10 rpm
Max. torque	150 N·cm
Max. viscosity	10000 mPa·s
Motor type	AC three-phase motor
Speed display	LED
Chuck clamp range	Ø0.5–10 mm
Protection class	IP20
Voltage, frequency	110–120 V or 220–240 V, 50/60 Hz
Motor input / output power	80 W / 70 W
Power	90 W
Dimensions (W × H × D)	100 × 215 × 300 mm
Weight	4.0 kg
Permissible ambient temperature and humidity	5–40°C, 80% RH

SECTION IV

Applications

Mixing of samples of up to 20 L (water) and up to 10000 mPa·s in the laboratory.

Use the low range for slow stirring and the high range for faster mixing. Specifications are per the table above.

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